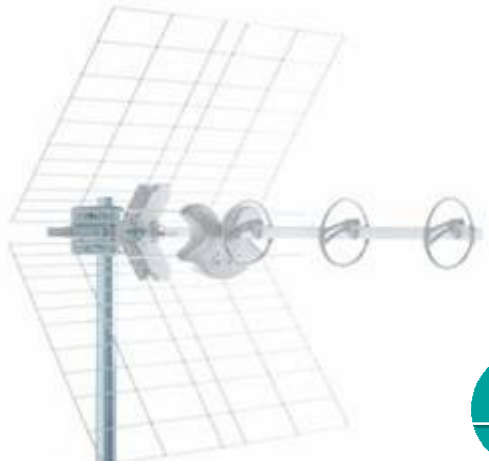
UHF Aerials – ALPHA series

ALPHA 3 HD LTE



Fracarro extends its ALPHA series of aerials integrating loop yagi technology with SAW filter selectivity: Alpha HD LTE.

ALPHA 3 HD LTE has been developed to reduce the impact of LTE frequencies.

Superb electrical specifications with excellent directivity and gain in a compact size incorporating SAW filter technology within the dipole.

Pre-assembled aerial: elements, mast mount, reflector clamp and dipole guide.

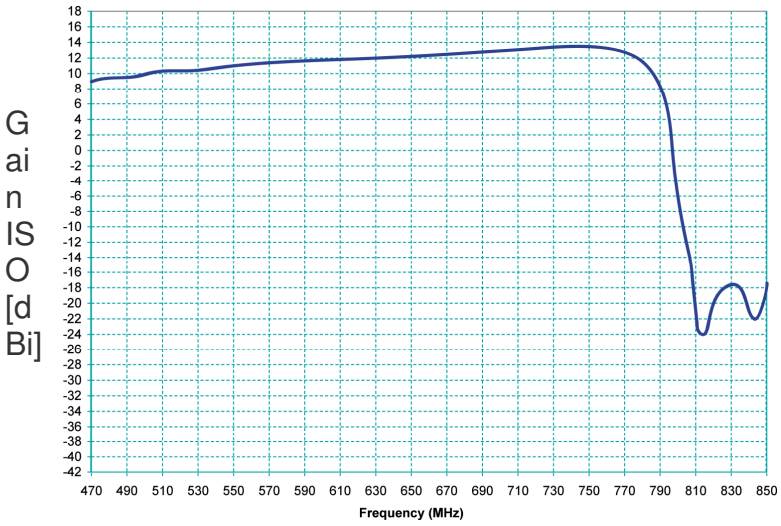
Fast and secure grid and dipole insertion onto the pre-assembled support.

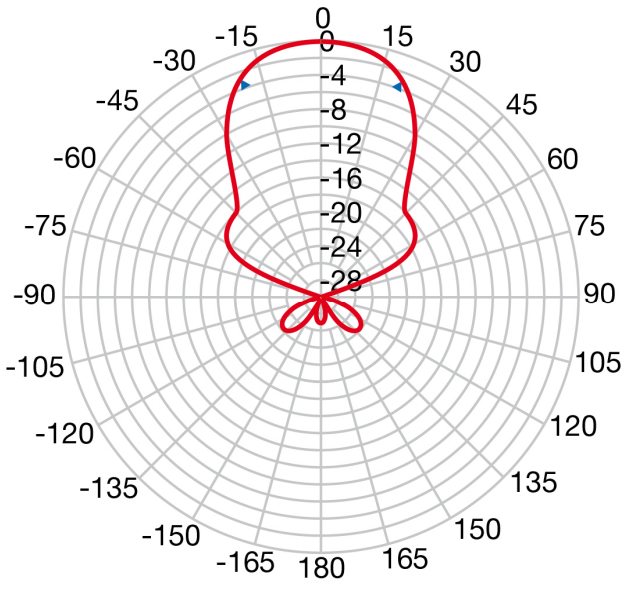
Main Specifications:

- 3 elements
- **SAW filter in the dipole**
- Loop yagi technology
- F connector
- Robust design using quality materials
- **Extremely quick construction**
- Maximum mast diameter 60mm
- Impedance 75 Ohm
- Double grid reflector
- **Selectivity of 30dB @ 30MHz (790-810MHz)**

		ALPHA 3 HD LTE
Fracarro code		213217
Elements	No.	3
Band		UHF
Channels	Europe	E21 - E60
Technical Characteristics		
Bandwidth	MHz	470 – 790
Maximum gain	dBi	13
Front-to-back ratio	dB	38
Return loss	dB	- 18
Beamwidth (-3dB)	°	+/-25
Impedance	Ohm	75
Mechanical Characteristics		
Dimensions (L x W)	cm	71 x 50
Maximum mast diameter	mm	60
Wind load at 120Km/h (720N/m2)	Kg (N)	5.7 (55.86)
Connector	Type	F
Accessories		
Horizontal polarisation		Included
Horizontal polarisation with tilt adj.		Included
Vertical polarisation		Included
Vertical polarisation with tilt adj.		Included
Auxiliary boom		N.A.

Fracarro code	Description	Packaging	Quantity	Dimensions	Unit weight	Total weight
			Pcs	mm	Kg	Kg
213217	ALPHA 3 HD LTE	Box	10	840 x 675 x 420	1.8	20.3

<table>
<tr><th colspan="3">FREQUENCY PERFORMANCE</th></tr>
<tr><td rowspan="2">ALPHA 3 HD LTE</td><td>GAIN</td><td> 

Frequency [MHz]</td></tr>
<tr><td>DIRECTIVITY</td><td> 
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